[3rd December 1954

THE HON. SRI A. B. SHETTY :—" Sir, a fairly large programme of protected water-supply is being taken up both in rural and urban areas."

Amount of grant sanctioned towards educational concessions in 1952–53.

* 7 Q.—SRI A. RATNAM : Will the Hon. the Minister for Finance be pleased to state the total amount granted towards educational concessions to non-gazetted officers, servants of local boards and aided school teachers in the year 1952?

THE HON. SRI C. SUBRAMANIAM :—" The following are the amounts of grant sanctioned towards educational concessions to children of non-gazetted officers, servants of local bodies and aided school teachers in the State during 1952–53—

	RS.
Elementary schools	2,48,432
Local body secondary schools	64,900
Aided secondary schools	3,78,447."

Groundnut Research Centres.

* 8 Q.—SRI A. RATNAM : Will the Hon. the Minister for Agriculture be pleased to state—

(a) the number of research centres constituted by the Government in the State for studying the economics of growing groundnuts mixed with other crops;

(b) the cost of maintaining the centres and the number of acres experimented; and

(c) the results of the experiments made so far?

11-20 a.m. THE HON. SRI M. BHAKTAVATSALAM :—" (a) There is one such Research Centre in this State at Tindivanam in South Arcot district.

" (b) The net cost of maintaining this station is about Rs. 29,474 per annum. Every year one to two acres are devoted to mixed cropping experiments in this station. Bulk crops of groundnut-castor and groundnut-cholam mixtures are also raised to step up income from the farm area. The area devoted to such mixed cropping varies from year to year. In the 1953–54 season ten acres were under mixed crops.

" (c) The conclusions arrived at from the mixed cropping experiments carried out in this station are :—

(a) Growing of groundnut mixed with other crops is found to be more remunerative than growing it pure.

(b) Among the crops grown mixed with groundnut, cholam has been found to depress the yield of groundnut to the maximum extent (even up to 50 per cent) in certain years.

3rd December 1954]

(*c*) Of the mixtures tested, groundnut mixed with either cotton, castor, redgram or cholam gave the maximum monetary return.

(*d*) The bunch type of groundnut is not affected to the same extent as the spreading type by this mixed cropping probably due to its high initial rate of growth."

SRI A. RATNAM :—" கனம் சபாநாயகர் அவர்களே, நிலக் கடலையுடன், சோளம், பருத்தி முதலிய பயிர்களைக் கலந்து பயிர் செய்ய எரு தேவைப்படுகிறதா ? "

THE HON. SRI M. BHAKTAVATSALAM :—" I would like to have notice, Sir."

SRI K. R. NALLASIVAM :—" கீழ்ப் பவானிப் பிரதேசத்தில் தற்போது நிலக் கடலை விளைவிப்பதற்கு சர்க்கார் அனுமதித்திருப்பதால் 2½ லட்சம் ஏக்கர் விஸ்தீரணமுள்ள பிரதேசத்திலே ஒரு ரிசர்ச் ஸ்டேஷன் ஏற்படுத்துவது பற்றி சர்க்கார் யோசனை செய்யுமா ? "

THE HON. SRI M. BHAKTAVATSALAM :—" An agricultural research centre will be started at Bhavanisagar. I do not think that our finances will permit the opening of many research stations in other districts."

SRI V. R. KRISHNA AYYAR :—" Are the beneficial results of these researches kept in cold storage in laboratories and research stations or are the Government contemplating to launch a campaign to bring them to the notice of the actual ryots who are expected to benefit from them? "

THE HON. SRI M. BHAKTAVATSALAM :—" Sir, the ryots are already taking full advantage of the results of the experiments that are carried on in our research stations."

SRI S. RADHAKRISHNAN :—" திண்டிவனத்திலே ஏற்படுத்தப் பட்டிருக்கும் நிலக் கடலை ஆராய்ச்சி சாலை எந்த வருஷத்தில் ஆரம்பிக்கப் பட்டது ? ஆரம்பிக்கப்பட்டதிலிருந்து அது நல்ல முறையிலே அபிவிருத்தி அடைந்திருக்கிறதா ? அப்படி அபிவிருத்தி அடைந்திருந்தால் அதிகப் படியான ஆராய்ச்சி சாலைகள் உண்டாக்குவதற்கு சர்க்கார் முன்வருவார்களா என்று கேட்கிறேன்."

THE HON. SRI M. BHAKTAVATSALAM :—" I do not remember the year in which this station was started but it has been doing good work and the results are quite encouraging. More research stations would be opened according to need and availability of funds."

SRI V. R. NAGARAJAN :—" What does the mixing up of groundnut with other crops mean—whether these crops are sown in the same field at the same time or is it what is called ' rotation of crops '? "

THE HON. SRI M. BHAKTAVATSALAM :—" This has to be distinguished from rotation of crops. Systematic rotation is possible only in large holdings, but most of these holdings are small holdings. Therefore, we have had to have recourse

to mixed cropping. The mixed cropping certainly means, as it should easily mean, the simultaneous mixing of these crops and growing them in the same field.''

SRI M. JAGANNATHAN :—'' In view of the fact that only a very small sum of money is spent on the Groundnut Research Centre at Tindivanam, no research worth mentioning has been undertaken so far. May I know whether the Hon. Minister concerned will be willing to increase the sum of money to be spent on the Groundnut Research Centre at Tindivanam hereafter? ''

THE HON. SRI M. BHAKTAVATSALAM :—'' Sir, I do not agree with the hon. Member that no research worth mentioning has so far been undertaken in the station. If there is need, the Government will not grudge spending on the further development of this Research Station.''

Breaches in the Ayinikad dam at Naduvannoor, Kurumbranad taluk, North Malabar.

* 9 *Q.*—SRI C. KUNHIRAMA KURUP : Will the Hon. the Minister for Public Works be pleased to state—

(*a*) whether the Government have taken any steps to repair the breaches in the Ayinikad dam at Naduvannoor, Quilandy firka, Kurumbranad taluk, North Malabar; and

(*b*) if so, what they are?

THE HON. RAJA SRI SHANMUGA RAJESWARA SETHUPATHI :—'' (*a*) & (*b*) The Ayinikad dam at Naduvannoor, Kurumbranad taluk, Malabar district, had not breached at any time, after it was constructed. The dam is functioning satisfactorily.''

SRI C. KUNHIRAMA KURUP :—'' Sir, are the Government aware that the dam is not serving the purpose for which it was intended, because the construction of the sluices was not in order? What steps do the Government propose to take in the matter? ''

THE HON. RAJA SRI SHANMUGA RAJESWARA SETHUPATHI :—'' The construction of sluices and other things are reported to be perfectly all right but the field there seemed to be saline due to past inundation of sea water. There is no leakage in any part of the dam. The people are not forthcoming to irrigate their fields and we have issued orders now to get a sample of the soil available tested in the Agricultural Research Institute at Coimbatore.''

SRI M. NARAYANA KURUP :—'' The dam is all right but salt water is entering the field making it unfit for cultivation and it has been so far a long time. Have the Government taken care to enquire into this matter and remedied it? ''